

Substitute for Form 1449

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

### Complete If Known

Application Number	10/080,527
Filing Date	February 21, 2002
First Named Inventor	Rossum, David P.
Art Unit	2837
Examiner Name	Unassigned
Attorney Docket Number	017002-003890US

### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	AA	US-6,365,816	04-02-2002	Rossum	
	AB	US-6,137,043	10-24-2000	Rossum	
	AC	US-5,925,841	07-20-1999	Rossum	
	AD	US-5,698,803	12-16-1997	Rossum	
	AE	US-5,342,990	08-30-1994	Rossum	
	AF	US-5,300,724	04-05-1994	Medovich	
	AG	US-5,245,667	09-14-1993	Lew	
	AH	US-5,111,727	05-12-1992	Rossum	
	AI	US-5,073,942	12-17-1991	Yoshida et al.	
	AJ	US-5,067,141	11-19-1991	Critchlow et al.	
	AK	US-5,023,825	06-11-1991	Luthra et al.	
	AL	US-5,007,323	04-16-1991	Usami	
	AM	US-4,901,615	02-20-1990	Matsushima et al.	
	AN	US-4,829,463	05-09-1989	Kakishita et al.	
	AO	US-4,715,257	12-29-1987	Hoshiai et al.	
	AP	US-4,702,142	10-27-1987	Duetsch	
	AQ	US-4,643,067	02-17-1987	Deutsch	
	AR	US-4,460,890	07-17-1984	Busby	
	AS	US-4,432,265	02-21-1984	Oya et al.	
	AT	US-4,377,960	03-29-1983	Okumura	
	AU	US-4,246,823	01-27-1981	Wachi et al.	
	AV	US-4,231,277	11-04-1990	Wachi	
	AW	US-4,020,332	04-26-1977	Crochiere et al.	
	AX	US-3,997,773	12-14-1976	Van Essen et al.	
	AY	US-3,988,607	10-26-1976	Eggermont et al.	
	AZ	Re 32,862	02-14-1989	Wachi	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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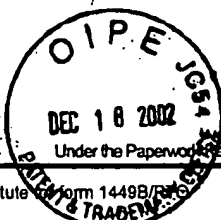
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PA 3243324 v1



Substitute form 1449B/Rev. 10/01 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/080,527
		Filing Date	February 21, 2002
		First Named Inventor	Rossum, David P.
		Art Unit	2837
		Examiner Name	Unassigned
Sheet	4	of	4
		Attorney Docket Number	017002-003890US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
W	CA	<i>Practical Considerations in the Design of Music Systems Using VLSI</i> , J. William Mauchly et al., AES 5 <sup>th</sup> International Conference 1987.	
R	CB	<i>Fourier transform and convolution subroutines for the IBM 3090 Vector Facility</i> , Ramash c. Agarwal et al., IBM J. Res. Develop. Vol. 30, No. 2, March 1986.	
W	CC	<i>Accelerando: A Real-Time, General Purpose Computer Music System</i> , Keith Lent et al., Computer Music Journal, Vol. 13, No. 4, Winter 1989.	
W	CD	<i>An Efficient Method for Pitch Shifting Digitally Sampled Sounds</i> , Keith Lent, Computer Music Journal, Vol. 13, No. 4, Winter 1989.	
R	CE	<i>An Overview of the Sound and Music Kits for the NeXT Computer</i> , David Jaffe et al., Computer Music Journal, Vol. 13, No. 2, Summer 1989.	

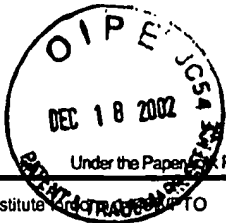
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Substitute and Trademark PTO		<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>		
				Applicant Number	10/080,527	
Sheet		3	of	4	Attorney Docket Number	017002-003890US

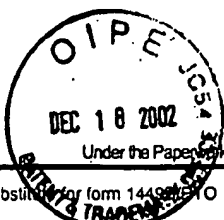
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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W	BN	Sequential/USA Model 2000 - Prophet 2000 - Digital Sampling Keyboard Technical Manual, Rick Davies, 12/85.	
W	BO	E-mu Systems Emulator - Operating Instructions, Marco Alpert et al., Version 3.6, 1981.	
W	BP	E-mu Systems - Emulator Service Manual - Revision of 1/12/82.	
W	BQ	Sequential/Europe - Prophet 2000 Digital Sampling Keyboard and Prophet 2002 Rack-Mount Sampler Operation Manual, Stanley Junglieb, April 1986.	
W	BR	EMAX Digital Sampler Technical Manual, Riley B. Smith, 1987, E-mu Systems Inc.	
W	BS	E-mu Systems Inc., Emax HD Digital Sampling Keyboard, Owner's Manual, Craig Anderson, 1988.	
W	BT	Dancetech - Casio FZ Range ...FZ1...FZ-10M...FZ-20M, 08/25/99.	
W	BU	Computer Storage Systems & Technology, Richard E. Matick, 1977.	
W	BV	ICASSP 84 - Proceedings - IEEE International Conference on Acoustics, Speech, and Signal Processing, Vol. 2 of 3.	
W	BW	Some Aspects of Sample Rate Conversion, Dave Rossum, E-mu Systems, ICMC '85 Proceedings.	
W	BX	An Analysis of Pitch Shifting Algorithms, Dave Rossum, E-mu Systems, AES 87 <sup>th</sup> Convention, October 1989.	
W	BY	Compiling the E-Chip Music Signal Processor, Dave Rossum, E-mu Systems, Automated Design & Engineering for Electronics West, 1986.	
W	BZ	Compiling a Music Signal Processor, Dave Rossum, E-mu Systems, Inc., 1986 IEEE.	

Examiner Signature		Date Considered	2/5/03
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Sheet 2 of 4

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<i>W</i>	BA	Table Lookup for Sinusoidal Digital Oscillators, F.R. Moore, CMJ Vol. 1, No. 2, April 1977	
<i>W</i>	BB	The Technology of Computer Music, Mathews et al., 1969	
<i>W</i>	BC	Multirate Digital Signal Processing, Crochiere & Rabiner, 1983	
<i>W</i>	BD	Introduction to Numerical Analysis, Hildebrand, 1956	
<i>W</i>	BE	LOWE et al., "Digidesign's Sound Accelerator: Lessons Lived and Learned," <u>Computer Musical Journal</u> , Vol. 13, No. 1, 1989	
<i>W</i>	BF	MATTHEWS et al. The Technology of Computer Music, 1969	
<i>W</i>	BG	James A. Moorer et al., "The Digital Audio Processing Station: A New Concept in Audio Postproduction," 78th Convention of Audio Engineering Society, Anaheim, CA, May 1985	
<i>W</i>	BH	MOORER et al., "The Digital Audio Processing Station: A New Concept in Audio Postproduction," <u>J. Audio Eng. Soc.</u> , vol. 34, No. 6, June 1986.	
<i>W</i>	BI	MOORE, F.R., "Table Lookup Noise for Sinusoidal Digital Oscillators," <u>Computer Music Journal</u> , Menlo Park, April 1977.	
<i>W</i>	BJ	"Kurzweil 1000 Series," Service Manual (1000 Racks, K1000, EGP and Mark III Models), Kurzweil Music Systems, Inc. Waltham, MA, January 1989, Doc. No. 92000101	
<i>W</i>	BK	Musician's Guide, Ralph Jones et al., K1000SE, Kurzweil Music Systems, Inc., Waltham, MA, 1988	
<i>W</i>	BL	AKAI professional "SERVICE BULLETIN/HD80 Non-operation of Fan", December 12, 1990.	
<i>W</i>	BM	AKAI Service Manual, Model S1000KB, March 15, 1990.	

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Signature

Date  
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